



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mark NEUSCHUTZ et al

Serial No.: 09/876,227

Filed: June 8, 2001

Box: AF

Examiner: Nihir B. Patel

Group Art Unit: 3743

For: **USE OF PCMS IN HEAT SINKS FOR ELECTRONIC COMPONENTS**

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TECHNOLOGY CENTER R3700

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated December 31, 2002, Applicants hereby respond with the following remarks.

R E M A R K S

Prior Art Rejections

The Examiner has maintained his rejection of claims 1-16 in view of the teachings of Laing ('356). Applicants respectfully request reconsideration of the rejection in view of the arguments for patentability made below.

Laing discloses a cooling device for a semiconductor apparatus comprising a chamber enclosing a non-metallic crystal forming material which can undergo a phase change at a temperature which corresponds to the desired operating temperature of the semiconductor component. More specifically, the semiconductor component that is in heat conductive